

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 12429470-MJC	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/AU2004/000432	International filing date (<i>day/month/year</i>) 2 April 2004	(Earliest) Priority Date (<i>day/month/year</i>) 4 April 2003	
Applicant ORICA AUSTRALIA PTY LTD et al			

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 5 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box No. II).

3. Unity of invention is lacking (See Box No. III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No.

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

- b. none of the figures is to be published with the abstract.

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International application No.
PCT/AU2004/000432

Box No. IV Text of the Abstract (Continuation of item 5 of the first sheet)

A process for removing DOC(dissolved organic carbon) from a concentrated salt solution containing DOC by contacting the salt solution with a coagulant/ flocculant such that the DOC becomes insoluble and removing the insoluble DOC from the salt solution.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000432

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: C02F 001/42,001/52

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI IPC C02F 001/42,001/52 and Keywords (organic(s) carbon or DOC and salt+)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	WO 1996/007615 A (SOUTH AUSTRALIAN WATER CORPORATION,ICI AUSTRALIAN OPERATIONS PROPRIETARY LIMITED) 14 March 1996 See whole document	1-2 3-27
X Y	US 5320756 A (WINSTON) 14 June 1994 See whole document	1-2 3-27
X Y	EP 0117096 A (SCHUBRING) 29 August 1984 See whole document	1-2 3-27
X Y	GB 2273701 A (ECC INTERNATIONAL LIMITED) 29 June 1994 See whole document	1-2 3-27

 Further documents are listed in the continuation of Box C See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
22 April 2004

Date of mailing of the international search report

30 APR 2004

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INTERNATIONAL SEARCH REPORT

International application No.

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C (Continuation).

DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 4828715 A (SANDER) 9 May 1989 See whole document Note For the 'Y' WO 199607615 is combined with any of the other citations	1-2 3-27

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/000432

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
WO	9607615	AU	34657/95	BR	9508829	CA	2199497
		CN	1159177	EP	0781255	NO	971033
		NZ	292472	US	6669849	US	2004050785
		ZA	9507511				
US	5320756	AU	72595/94	CA	2140909	US	5348588
		WO	9501305				
EP	0117096	AU	23989/84	JP	59160589	ZA	8400847
GB	2273701	AU	80430/94	BR	9305222	BR	9404992
		CA	2137951	CZ	9403152	EP	0604095
		EP	0658606	EP	1052227	FI	935751
		FI	945830	JP	6226264	JP	8049186
		JP	10237783	NO	944783	US	5558782
		US	5733461	US	5830364	US	6004467
		US	6159381				
US	4828715	DE	3710804	EP	0286872		

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX